(614)

Access DB# 97890

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: SUDHAKER PATEL Examiner # : 77018 Date: 4/30/03
Art Unit: 1624 Phone Number 30 8 4 7 Serial Number: ~~10349228~~ 10808272
Mail Box and Bldg/Room Location: CM1 4E12 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Updated 12/27/04

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: NOVEL NITRIC OXIDE-RELEASING AMIDINE- & ENAMINE-DERIVED DIAZENIUM DIOLATES, COMPO. & ANESTHETIC & method of making same

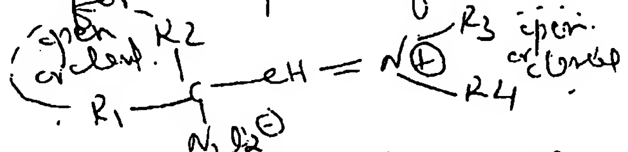
Inventors (please provide full names): HRABIE et al

Earliest Priority Filing Date: 7/3/1997

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Need info @ cpds, / compositions & use & NO synthesis.

for compounds of claim 21 Formula IV



& compounds of claim 22

need to this help in priority date

POINT OF CONTACT:
PAUL SCHULWITZ
TECHNICAL INFO. SPECIALIST
CM1 6806 TEL. (703) 305-1954

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STAFF USE ONLY		Type of Search		Vendors and cost where applicable	
Searcher:		NA Sequence (#)		STN	133932
Searcher Phone #:		AA Sequence (#)		Dialog	
Searcher Location:		Structure (#)	2	Questel/Orbit	
Date Searcher Picked Up:	5/1	Bibliographic		Dr.Link	
Date Completed:	5/1	Litigation		Lexis/Nexis	
Searcher Prep & Review Time:	30	Fulltext		Sequence Systems	
Clerical Prep Time:		Patent Family		WWW/Internet	
Online Time:	76	Other		Other (specify)	

PTO-1590 (8-01)

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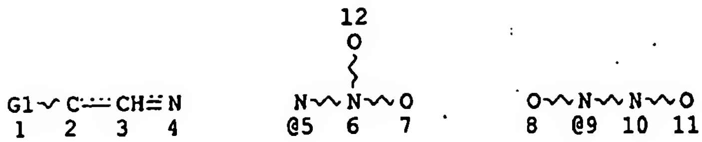
L22 STR



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NODE ATTRIBUTES:

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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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L24 16 SEA FILE=REGISTRY SSS FUL L22
L25 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L24

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L25 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:	2001:502352 HCAPLUS
DOCUMENT NUMBER:	135:256880
TITLE:	DFT studies for the substituent effect on the Diels-Alder reaction of 1,4-diaza-1,3-butadienes
AUTHOR(S):	Lee, Gab-Yong
CORPORATE SOURCE:	Department of Chemistry, Catholic University of Taegu, Kyongsan, 712-702, S. Korea
SOURCE:	Journal of the Korean Chemical Society (2001), 45(3), 207-212 CODEN: JKCSEZ; ISSN: 1017-2548
PUBLISHER:	Korean Chemical Society
DOCUMENT TYPE:	Journal
LANGUAGE:	Korean

AB DFT calcns. have been performed on several substituted 1,4-diaza-1,3-butadienes (1,4-DABs) with electron donating and withdrawing groups at the terminal two nitrogens to investigate the reactivity of Diels-Alder reaction with acrolein. The calcd. FMO (frontier MO) energies for the optimized 1,4-disubstituted-1,4-DABs have been used to explain both normal and inverse electron demand Diels-Alder reactions. It is shown that the electron donating and withdrawing substituents lead to the